BEST AVAILABLE COPY

PATENT COOPERATION TREATY **PCT**

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 40464WOP00	FOR FURTHER ACTION	See Form PCT/IPEA/416		
International application No.	International filing date (day/month/year)	Priority date (day/month/year)		
PCT/AU2004/001251	15 September 2004	19 September 2003		
International Patent Classification (IPC) or national classification and IPC			
Int. Cl. 7 B01D 65/02				
Applicant				
U.S. FILTER WASTEWATER	R GROUP, INC. et al	k		
·				
This report is the international preling	minary examination report, establishe	ed by this International Preliminary		
Examining Authority under Article 3	5 and transmitted to the applicant ac	Colding to Article 30.		
2. This REPORT consists of a total of		э 		
3. This report is also accompanied by	the International Bureau) a total of	sheets, as follows:		
	•	·		
sheets of the description	on, claims and/or drawings which have ontaining rectifications authorized by	ve been amended and are the basis for this this Authority (see Rule 70.16 and Section		
607 of the Administrative	ve Instructions).			
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.				
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)), containing a sequence listing and/or table related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).				
4. This report contains indications rela	ating to the following items:	·		
Box No. I Basis of the re	port			
Box No. II Priority	Box No. II Priority			
Box No. III Non-establishn	nent of opinion with regard to novelty	, inventive step and industrial applicability		
1 · 1 · 1 · · · · · · · · · · · · · · ·				
Box No. V Reasoned stat applicability; ci	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
Box No. VI Certain docum				
<u> </u>	s in the international application			
Box No. VIII Certain observ	rations on the international applicatio	n		
Date of submission of the demand Date of completion of the report		letion of the report		
1 July 2005	30 August 2	005		
Name and mailing address of the IPEA/AU	Authorized Offi	cer		
AUSTRALIAN PATENT OFFICE				
E-mail address: pct@ipaustralia.gov.au				
PO BOX 200, WODEN ACT 2606, AUSTRALIA DAVID K. BELL				

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/AU2004/001251

Box	No. I	Basis of the report	the language in which it was
1.	filed unle	s otherwise indicated under this item.	ne international application in the language in which it was
	This which	eport is based on translations from the origities the language of a translation furnished for	nal language into the following language or the purposes of:
		international search (under Rules 12.3 and	23.1 (b))
·.		publication of the international application (
		international preliminary examination (unde	r Rules 55.2 and/or 55.3)
2.	have her	والمصم المستفاد المستفد المستفد المستفدد المستفد المستفدد المستفد المستفدد	eation, this report is based on (replacement sheets which the to an invitation under Article 14 are referred to in this
	the	ternational application as originally filed/furn	ished
	X the	escription:	
		pages 1 to 10 as originally	filed/furnished (
		pages* received by this Auth	ority on with the letter of
)		pages* received by this Auth	
,	X the	laims:	
		pages 11 to 15 as original	y filed/furnished
		pages* as amended (togeth	y filed/furnished er with any statement) under Article 19 nority on with the letter of nority on with the letter of
		pages* received by this Auth	nority on with the letter of
		pages* received by this Auth	·•···y =··
	X the	rawings:	\sim
		pages as originally filed/furr	nished v this Authority on 3 November 2004 with the letter of
		pages* 1/2 and 2/2 received b	y this Authority on 3 November 2004 with the letter of
		3 November 2004	ority on with the letter of
ļ			
	as	quence listing and/or any related table(s) - s	ee Supplemental Box Relating to Sequence Listing.
3.	The	amendments have resulted in the cancellati	on of:
	Ţ	the description, pages	·
Ļ	Ī	the claims, Nos.	
7	[the drawings, sheets/figs	
		the sequence listing (specify):	•
	ļ	any table(s) related to the sequence listi	ng (specify):
4.	not		the amendments annexed to this report and listed below had d to go beyond the disclosure as filed, as indicated in the
	,	the description, pages	
1		the claims, Nos.	
1		J	
		the drawings, sheets/figs	·
		the sequence listing (specify):	mana ang ang ang ang ang ang ang ang ang
	i.	any table(s) related to the sequence list	ing (specify):
	If item	applies, some or all of those sheets may be ma	ked "superseded."

International application No.

PCT/AU2004/001251

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1	Statement	. •		· .	•
	Novelty (N)	Claims 1 to 23			YES
	Noverty (IV)	Claims			NO
	Inventive step (IS)	Claims 1 to 23			YES
Hivehuve stop (10)	Claims		• •	NO	
	Industrial applicability (IA)	Claims 1 to 23	.e		YES
		Claims,		•	NO

2. Citations and explanations (Rule 70.7)

D1	=	WO 1986005116 A1 (Memtec Ltd) 12 September 1986

D8 = JP 06-238273 A (Mitsubishi Rayon Eng Co) 30 August 1994

The invention as defined in the present specification is a method of backwashing a filtration system in which the permeate remaining in the system when the filtration process is stopped is used t provide liquid for backwashing the membrane pores without the use of any additional liquid.

None of the cited documents either singly, nor in obvious combination, disclose or fairly suggest the invention as defined in the present claims. The claimed invention is therefore novel, has an inventive step and is industrially applicable.

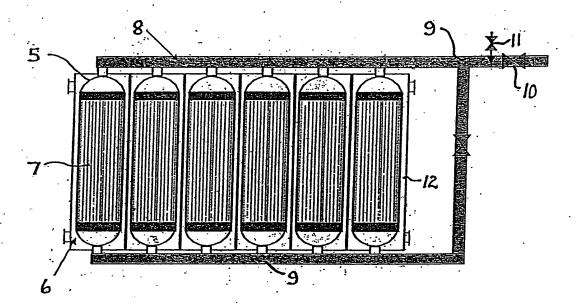


Fig. 1

2/2

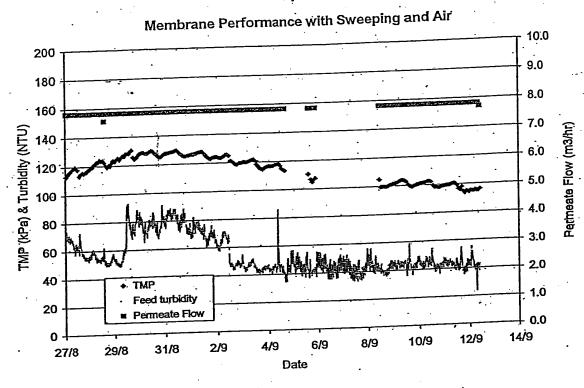


Figure 2 Membrane Filtration Performance with Air Pushed Backwash

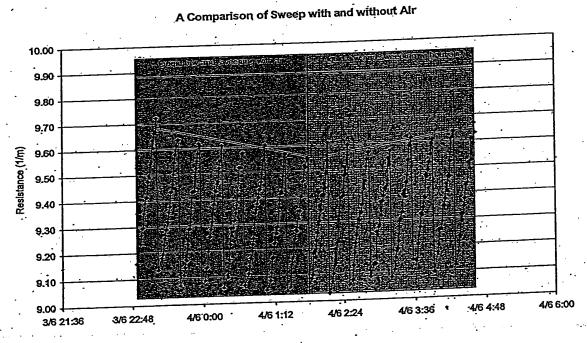


Figure 3 A Comparison of Sweep with and without Air

Substitute sheet (Rule 26) RO/AU